

Cerulean Warbler *Dendroica cerulean*

Habitat Preference: Mature deciduous floodplain forest with large diameter trees, high closed canopies, and an open understory.

Threats:

- Initial decline followed logging that took place in the early 19th century.
- Deforestation
 - Limited old, dense-canopy hardwoods.
 - Removal of floodplain forest and riparian areas for agricultural and urban development.
 - Forests have been reduced to a smaller size.
 - The remaining forests are isolated from other forested areas.
 - This fragmentation has created a greater percentage of edge which has limited nesting success
- Shorter timber rotations which creates larger areas in young-age forests.
- Nest parasitism by cowbirds at forest edges.
- Loss of wintering ground due to similar human activities that destroy the breeding habitat.



Appropriate Practices:

- Maintain large tracts (1,000 acres) of deciduous lowland forest.
- Reforestation: restore bottom land forest especially in areas that connect existing tracts of timber. This will limit fragmentation and cowbird parasitism.
- Maintain closed canopy timber.
- Maintain longer rotations in timber management to ensure a high percentage of old growth hardwoods.
- Protect winter ground in the same fashion as the nesting ground.